

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: January 08, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** 0.45" of precipitation on 1/04, 0.39" of precipitation on 1/05

Areas of Inspection	Observation	Recommended Action
Access Roads	- The access road leading from the Route 7 ramp to New Canaan Ave is being developed. The freezing conditions have helped to firm up the ground and pads of stone have been placed in select locations. 1/08/04	- None at this time. Continue to monitor. 1/08/04
	- The freezing conditions have helped stabilize the entire yard and existing access road and ROW. 1/08/04	- None at this time. Watch the area when thawing occurs and determine whether timber mats should be used. 1/08/04
Foundation construction	- Several caissons have been placed in the newly cleared area in order to relocate poles. 1/08/04 - Digging these holes had caused some water and wet soil to be deposited nearby. It was all contained by silt fence. 1/08/04	- One caisson in particular is close to the silt fence and the river. The silt fence is under some minor strain from the sediment placed from digging the hole. Continue to monitor the spot and either reinforce or repair if more strain becomes apparent. 1/08/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- A lot of movement and changes are occurring on site. There is a lot more traffic and equipment and Conex boxes are being used to store smaller items. 1/08/04	- Overall the site continues to do well with no significant sedimentation or erosion issues. 1/08/04
	- Silt fence has been installed along the entire wetland line between the resource areas and work areas. It is toed in well and is effectively preventing sediment from entering the river. 1/08/04	- Continue to monitor and maintain as needed. Some spots are very close to the river and will require the most monitoring. Keep up with silt fence repair as needed and be proactive 1/08/04
	- Topsoil is being stockpiled in large amounts and is contained by the outer barrier of silt fence at this time. 1/08/04	- A second silt fence barrier around the downgradient side of stockpile itself is highly recommended due to its location and potential to reach the river. This is also required by the permits. 1/08/04
	- The gravel tracking pad and haybale check dam are still in place at the swale in addition to the continuous silt fence barrier. 1/08/04	- Continue to monitor and install clean rock when necessary. 1/08/04
	- The construction pad at the New Canaan Ave exit is fairly free of sediment and several other gravel pads have been added along the access road. There was no tracking on the roadway. 1/08/04	- Next week will be a good test of the ability of the tracking pad to keep sediment off the roadways as traffic will be increasing on site.1/08/04
	- The temporary sediment basin which will eventually become the overflow channel, is being excavated and graded at this time. 1/08/04	- Once the basin is in use, monitor outlets for any sediment laden flows 1/08/04

Areas of Inspection	Observation	Recommended Action
	<p>-Snow plowing was discussed at the weekly meeting. If any plowing is necessary, snow will remain on the work side of the silt fence and will not be deposited closer to the river 1/08/04</p>	<p>- None at this time 1/08/04</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>- The silt fence has been installed along the river in the recently cleared area. 1/08/04</p> <p>- The soil in this area is now disturbed as more intensive work is occurring here. This includes the grading and excavation for the temporary sediment basin. 1/08/04</p> <p>- The access road is being developed and a monitoring well has been installed. 1/08/04</p>	<p>- There are no signs of any sediment beyond the silt fence barrier or within the river. 1/08/04</p> <p>- Continue to monitor and maintain silt fence as necessary and watch the basin outlets when they are developed. 1/08/04</p> <p>- None at this time. 1/08/04</p>
<p>State species of concern, threatened and endangered species</p>	<p>- No species of concern are located in this area of construction 1/08/04</p>	<p>- N/A</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<p>- Areas that have been cleared have now been grubbed and more intensive work is beginning. 1/08/04</p> <p>- Wetlands will be additionally marked with “wetland boundary” signs and are being located with survey equipment at this time. 1/08/04</p>	<p>- The areas near the river still appear stable. There is no erosion on the banks or sedimentation to the water. 1/08/04</p> <p>- The more vegetation left in place, the more stable the bank will be. 1/08/04</p>
<p>Dewatering</p>	<p>_ No dewatering activities are occurring at this time 1/08/04</p>	<p>- None at this time 1/08/04</p>
	<p>- No blasting is occurring on</p>	<p>- None at this time 1/08/04</p>

Areas of Inspection	Observation	Recommended Action
Blasting	site at this time 1/08/04	
Spills	<p>- A small spill was noted as an oily spot in the soil approximately 1-foot in diameter up near the Rt. 7 ramp. It is likely the result of equipment leaking during a boring that took place on Tuesday. 1/08/04</p> <p>- “Diapers” were noted under a generator near the upper trailers. 1/8/04</p>	<p>- The spill was marked and cleaned up immediately. The soil was bagged and disposed of properly. 1/08/04</p> <p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area 1/08/04</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. 1/08/04</p> <p>- This practice is highly encouraged for any vehicle or equipment with a known leak. 1/08/04</p>
Additional/Miscellaneous Observations	<p>- A stone/traprock separator made of concrete blocks was constructed in the yard. 1/8/04</p> <p>- The lower hanging middle wires in the existing ROW have been relocated to the new poles along the Rt 7 ramp. 1/08/04</p> <p>- Excavation of the contaminated soil will begin next week. 1/08/04</p>	

Next likely scheduled inspection:

Thursday January 15, 2004 – weather depending

Inspector’s Signature:

Diana L. Walden



VIEW OF THE NEW STONE PADS PLACED WITHIN THE DEVELOPING ACCESS ROAD. IN THE BACKGROUND, EXCAVATION IS BEGINNING ON THE TEMP SEDIMENT BASIN 1/08/04



VIEW OF ONE OF THE CAISSONS PLACED IN THE NEWLY CLEARED AREA.
SILT FENCE HAS BEEN INSTALLED ALONG THE ENTIRE WETLAND
BOUNDARY AND IS WORKING WELL. 1/08/04



OVERALL VIEW OF THE YARD INCLUDING THE STONE SEPARATOR AND
THE TOPSOIL STOCKPILE IN THE BACKGROUND. 1/08/04



VIEW OF TOPSOIL STOCKPILE. IT IS WELL CONTAINED WITHIN THE OUTER SILT FENCE BUT A SECOND BARRIER IS HIGHLY RECOMMENDED AT ITS BASE DUE TO PROXIMITY AND A SLIGHT GRADIENT TO THE RIVER 1/08/04



VIEW OF A SPOT SHOWING STRAIN IN THE NEW SILT FENCE DUE TO
SEDIMENT DEPOSITS FROM THE
CAISSON PLACEMENT. THIS SPOT
SHOULD BE REPAIRED WHEN
NECESSARY 1/08/04



VIEW OF SMALL OILY SPOT NOTED NEAR

VIEW OF

APPROPRIATELY PLACED "DIAPER" RT 7 RAMP. IT WAS CLEANED

IMMEDIATELY

UNDER POTENTIALLY LEAKING EQUIPMENT

1/08/04